Receiving Report

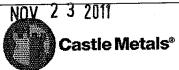
		11/4/25 m/2000		& Dart P		5400	
Packing Sli Invoice: Receipt:	Yes Cash	No 🕹	W St Q	elease Note A aybill Attached ipment Comp C6 Inspection fork Order	d: Ye olete: Ye		
Discrepand Part			Quantity	Quantity	Quantity	Quantity	Comments
Number	Des	scription	Ordered	Received	Returned	Short	
-							
	_	· · · · · · · · · · · · · · · · · · ·					
	1						
		-	Initials	of receiver	(if shipment	OK) Level	12/
Production Date Received/ Initial		14/25				Locat	ion

H-\FORMS\Purchasing\approved purch\RECREPORT Rev D

Remit To A.M. CASTLE & CO. (CANADA) INC. - B9204 P.O. BOX 9100 TORONTO ONTARIO M4Y 3A5

CANADA

RECEIVED INVOICE



A. M. Castle & Co

Invoice No.	20068260
Invoice Date	11/16/2011
Acrount Vo	

Bill To	Ship To
DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY ON K6A 1K7 CANADA	METCOR INC. 560 BOUL. ARTHUR-SAUVE SAINT-EUSTACHE QC J7R 5A8 CANADA
	CONDITIONS OF SME

TERMS AND CONDITIONS OF CUSTOMER NOTICE

DISCLAIMER OF WARRANTIES AND LIMITATIONS OF LIABILITY

THERE ARE NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPUED, INCLUDING ANY REGARDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EXCEPT AS EXPLICITLY STATED ON THE ACKNOWLEDGEMENT PROMODED BY AM. CASTLE & CO. OR ITS AFFILIATES (CASTLE* HEREAFTER).

LIABILITY FOR THE BREACH OF ANY WARRANTY OF THE STATES OF THE PROMODED BY AMOUNT OF THE PROMODED BY ANY WARRANTY OF THE PROMODED BY

LIABILITY FOR THE BREACH OF ANY WARRANTY IS LIMITED TO REPLACEMENT OF DEFECTIVE OR NONCONFORMING GOODS OR TO THE REPUND OF THE PURCHASE PRICE UPON RETURN OF THE GOODS TO CASTLE, AT THE OPTION OF CASTLE. CASTLE IS NOT LIABLE FOR ANY OTHER DIRECT, INCIDENTAL, OR CONSECUENTIAL DAMAGES, INCLUDING LOST PROFITS, EVEN IF CASTLE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. CUSTOMER ASSUMES ALL RISKS AND LIABILITY FOR LOSS, DAMAGE OR INJURIES TO PERSONS OR PROPERTY OF CUSTOMER OR OTHERS ARISING OUT OF THE USE OR POSSESSION OF THE GOODS.

Acceptance of your order by Castle is conditional upon your agreement to the terms and conditions. If you do not agree, all goods must be promptly returned to Castle, unused and unopened. Your acceptance of delivery of any part of the goods covered by this document will be deemed an agreement to the terms and conditions of sale which are contained on this document. Any inconsistent or additional terms or conditions which may be contained in your purchase order, confirmation, or other document, are objected to by Castle.

Invoice No.	20068260	Payment Terms 1% 10, NET :	30 Date Shipped	11/16/2011
Invoice Date	11/16/2011	Due Date 16-DEC-2011	Shipped Via	CASTLE_NETWORK
Discount on Mate	rial & Labor	1.19 Discount if paid by 11/26/20)11 Salesperson	Desbiens, Marc

Shipment Description	Shipment Information	Shipped Quantity I Unit Price	Amount CAD
Purchase Order #:	15400	12.48 LBS 12.0000 FT	\$52.32°
Order # - Line #:	1815191-2	\$4,36 / FT	
Ordered:	12 FT 14963	4	
Item Description:	0.6250.RD.17CR-4NI.STAINLESS.CF.SOL TR.COND A.132.0000-156.0000		
Heat Number(s):	G18148	***	
Specification(s):	AMS 5643		
Purchase Order #:	15400	18 LBS	\$66.84
Order # - Line #:	1815191-3	12.0000 FT	
Ordered:	12 FT 14966	\$5.57 / FT	
Item Description:	0.7500.RD.17CR-4NI.STAINLESS.CF.SOL TR.COND A.132.0000-156.0000		
Heat Number(s):	G17894		
Specification(s):	- AMS 5643		

Line Total:

138353438 RT GST 1016813512 QST

5% Tax

\$119.16

5.95

Taxes:

Invoice Total:

\$5.95

\$125.11

Remit Currency: CAD

CUSTOMER IS RESPONSIBLE FOR ALL SHIPPING DOCUMENTS AND COMPLIANCE WITH ALL UNITED STATES LAWS INCLUDING BUT NOT LIMITED TO U.S. EXPORT LAWS AND REGULATIONS.

> ENTERED NOV 3 0 2011 PAID DEC 0 1 2011 9755

Purchase Order Receipt Listing

Friday, November 25, 2011 1:57:13 PM

All amounts are calculated in domestic currency.

All Line Item Types All Vendors PO ID PO15400 Receipt Dates from 11/25/2011 to 11/25/2011
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Book Amt	\$52.32		\$66.84		24.0000 0.0000 0.0000 \$119.16 0.0000
MRB Qty/ MRB Reject Qty	0 (0	0	0	uantity:) U/M): nantity: t Value: nantity:
Inspected Qty/ Rejected Qty (PO U/M)	0.0000	0.0000	0.0000	0.0000	Total Received Quantity: Total Qty to Inspect (PO U/M): Total Reject Quantity: Total Receipt Value: Total Balance Due Quantity:
Cost Per Unit/ Recv Value	\$4.36	\$52.32	\$5.57	\$66.84	Total Total Total
Recy Qty (PO U/M)	12.0000		12.0000		
Recv Date/ Recv Emp	11/18/2011 11/25/2011	DES102	11/18/2011 11/25/2011	DESJ02	
Required Date Required Qty	11/18/2011	12.0000	11/18/2011	12.0000	
PO U/M / Stock U/M	Metaux Castle f	f 25	Ť.	f 50"	
Project ID Reference/ Description/ Cert Std	VC-MET001 M174PH- H900R0.625	17-4 SS H900 ROUND BAR 0.625 119761	M174PH- H900R0.750	17-4 SS H900 ROUND BAR 0.750"	119761
Line Nbr/ Insp Req	dor Name 3	S _o	4	No V	
Purchase Order ID/ Curr Type	VendorID\Vendor Name PO15400 3	CAD			

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سذي

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BORDEREAU DE MARCHANDISES

Page 1 of 1

No de Formulaire d'Emballage / Pack Slip No:845712

Expédié de / Ship From:	rom: Vendu à /	à / Sold To:	Expédié à / Ship To:	Livré à / Deliver To:	0:
A. M. Castle & Co.	DARTA		METCOR INC.	METCOR INC.	
Chicago 3400 North Wolf Road	,	1270 ABERDEEN HAWKESBURY, ON K6A 1K7	560 BOUL. ARTHUR-SAUVE	560 BOUL. ARTHUR-SAUVE SAINT-EUSTACHE. QC J7R 5A8 CA	JR-SAUVE :. QC J7R 5A8 CA
Franklin Park, IL 60131	_		SAINT-EUSTACHE, QC J7R 5A8 CA		
Date d'expédition	F.O.B.	Modalités de transport /	/ Transporteur /	No du Bon de	Nº de livraison /
/ Date Shipped		Freight Terms	Carrier	connaissement / BOL No	Delivery No
16-NOV-2011	ORIGIN	Prepaid	CASTLE_NETWOR 850385	850385	103661320
			<u>×</u>		

3 14966	A.732.0 A.732.0 SPEC Qté col		132.000-156.0000 SPECIFICATIONS: AMS 5643 té commandée /	COND
ande / N ^{bre} de pièces / Part Number	Qté co	mmandée /	Oté-Facturée	/ 6
Part Number	Ordere			
) :) : .) _	d Qty	Anvoice Qty	
	12.00 F		/ 12 FT/	
Details / Details				
Usine / No de coulee / Code méc / Pièces / Largeur (Pouce)/			Longueur (Pouce)/ Qté expédiée	Qté expédiée /
Mill Heat Number Mech Id PCS Width (IN)			Length (IN)	Shipped Qty (LBS)
TALLEY METALS, INC. G17894				18

Destination finale / Final Destination Branch -

Détails d'expédition / Shipment Details

Nous certifions part la présente que le matériel couvert par cette certification est conforme aux spécifications susmentances et aux exigences applicables pour le matériel, y compris toute spécification faisant partie de la description. Les rapports d'essat sont archivès pour fins de consultation. Toute requête concernant du matériel défectueux sera rejetée à moins qu'elle ne soit faite par écrit à A. M. Castle & Co. dans les 60 jours suivant la livraison. Le matériel coupé sur mesure ou coupé par le cilent peut de le redourné pour crédit.

We herre pour servin matérial covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the matérial covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the matérial cours for the description.

Test reports are on file subject to examination. All claims for defective matérial are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material out to the correct size, or material cut by the customer cannot be refurned Ce matérial as the requirement of the correct size, or material cut by the customer cannot be refurned Ce matérial as the requirement.

Date:

Name:



BORDEREAU DE MARCHANDISES

Page 1 of 1

No de Formulaire d'Emballage / Pack Slip No:845712

Expédié de / Ship From:		Vendu à / Sold To:	Expédié à / Ship To:	Livré à / Deliver To:): -
A. M. Castle & Co.	DARTA	ELTD	METCOR INC.	METCOR INC.	
Chicago	1270 AE	1270 ABERDEEN E	560 BOUL.	560 BOUL. ARTHUR-SAUVE	JR-SAUVE
3400 North Wolf Road	_	HAWKESBURY, ON K6A 1K7 /	ARTHUR-SAUVE	SAINT-EUSTACHE, QC J7R 5A8 CA	:, QC J7R 5A8 CA
Franklin Park, IL 60131	CA	0, ,	SAINT-EUSTACHE, QC J7R 5A8 CA		
Date d'expédition	F.O.B.	Modalités de transport / Transporteur	/ Transporteur /	No du Bon de	N° de livraison /
/ Date Shipped		Freight Terms	Carrier	connaissement / BOL No	Delivery No
16-NOV-2011	ORIGIN	Prepaid	CASTLE_NETWOR	850385	103661320
			~		

N° de commande / N° de ligne Order No Line No	N° de ligne Line No	N° d'article / Item No		Description	To a second of	
1815191	5	14963	A:15 SP	A:132.0000-156.0000 SPECIFICATIONS: AMS 5643	RD. TR. COND 3000-156.0000 AMS 5643	COND
N° de bon de commande /	1	N ^{bre} de pièces /	Qté	Qté commandée /	Offe Factlyrée	/e/
Purchase Order No	Part	Part Number	Ord	Ordered Qty	Invoice aty	,
15400			12.0	12.00 FT	/ 12 FT /	
Détails / Details						
Usine /	No de coulee	lee / Code méc /	/ Pièces /	Largeur (Pouce)/	Longueur (Pouce)/ Qté expédiée /	Qté expédiée /
	Heat Number	ber Mechild	PCS	Width (IN)	Length (IN)	Shipped Qty (LBS)
TALLEY METALS, INC.						12.48
		2, ,		The second secon	of mailtonlinkan abit to alumner to laint	of concerning to a character of a character of a connection of the

Destination finale / Final Destination Branch -

Détails d'expédition / Shipment Details

Nous certifions par la présente que le matérier couvert par cette certification est conforme aux spécifications susmentionnées et aux exigences applicables pour le matérier couvert par cette certification est conforme aux spécifications susmentions. Le matérier de la description. Lous requête concernant du matérier défectueux sera rejetée à moins qu'elle ne soit faite par écrit à A. M. Castle & Co. dans les 60 jours suivant la livraison. Le matérier courpe sur mesure ou coupé par le client pe que table pour était peur de consultation. Toute requête concernant du matérier défectueux sera rejetée à moins qu'elle ne soit faite par écrit à A. M. Castle & Co. dans les 60 jours suivant la livraison. Le matérier courpe sur les conforms in accordance with the above specifications and has been found to meet the applicable requirements for the matérial conforms forming a part of the description.

Test reports are on file subject to examination. All claims for defective matérial are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Matérial cut to the correct size, or material cut by the customer cannot be returned for credit.

Reviewed by Authorized Castle Metals Representative:



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO15400

Purchase Order Date 11/08/11 PO Print Date 11/08/11

Page Number 1 of 2

Order From:

VC-MET001

METAUX CASTLE

A.M. CASTLE & CO. (CANADA) INC. - BOX B9204 PO BOX 9100

TORONTO, ON M4Y 3A5

CA

Contact Name

Vendor Phone

514 694 9575

Vendor Fax

514 695 3281

Vendor Account Nbr

Buyer

Requisition Nbr

Tax Resale Nbr

Terms

Net 30 CAD

Currency **FOB**

10127-2607

Chantal Lavoie

Destination-Collect

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Line Nb	Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
3 N	M174PH-H900R0.625	17-4 SS H900 ROUND BAR 0.625	11/18/11 Yes	12.00 f	Yours ppd	\$4.3600	\$52.32

Special inst:

MATERIAL: 17-4 PH COND. H900 AS PER AMS 5643

NOTE:

PLEASE SHIP MATERIAL TO METCOR

560 BOULV. ARTHUR SAUVE SAINT-EUSTACHE, QC

J7R-5A8

450-473-1884

M174PH-H900R0.750

17-4 SS H900 ROUND BAR 0.750"

11/18/11

12.00 Yours ppd

\$5.5700

\$66.84

No

f

No substitution or deviation without consent.

Certificate of Conformity or Material Certification required when applicable



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO15400

Purchase Order Date 11/08/11 PO Print Date 11/08/11

Page Number 2 of 2

Order From:

VC-MET001

METAUX CASTLE

A.M. CASTLE & CO. (CANADA) INC. - BOX B9204 PO BOX 9100

TORONTO, ON M4Y 3A5

CA

Contact Name

Vendor Phone

514 694 9575

Vendor Fax

514 695 3281

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms Currency Net 30 CAD

FOB

Destination-Collect

Special Inst:

MATERIAL: 17-4 PH COND. H900

AS PER AMS 5643

NOTE:

PLEASE SHIP MATERIAL TO METCOR

INC.

560 BOULV. ARTHUR SAUVE SAINT-EUSTACHE, QC

J7R-5A8

37K-5A8 450-473-1884

D6104-005P

17-4 SS Roundbar 4.00"OD 11/18/11

12.00 Yours ppd

Each

\$76.0000

\$912.00

Yes

Special Inst:

AS PER DWG D6104 REV. B

B76308

MATERIAL: 17-4PH AS PER AMS 5643

OR AISI 630

SIZE: 4.00" X 5.10" LONG

PO Total:

\$1,031.16

MATERIAL CERTIFICATION REO'D UPON DELIVERY

CS

_ _ _

No substitution or deviation without consent.

Certificate of Conformity or Material Certification required when applicable

Change Nbr:

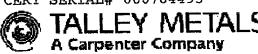
7

Change Date:

11/08/11

CERTIFICATE OF TESTS

CERT SERIAL# 000784493



ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE

THE RECORDING OF FALSE. FICTICIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW. TITLE 18 CHAPTER 47.

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Talley Metals Technology, Inc. 205 Talley Metals Lane

McBee, SC. 29101 Tel: (610) 208-2000 (800) 338-4592

07/21/11 CUSTOMER / BESTELLER / CLIENT

2 1 OF SELLER / VERKÄUFER / VENDEURPAGE

A.M. CASTLE & CO

3400 N WOLF RD FRANKLIN PARK

IL 60131

HVL

CUSTOMER ORDER NO./BESTELL-NR./N° DE COMMANDE	CARPENTER NO./WERKS-NR./Nº DE REFERENCE INTERNE	DATE/OATUM/DATE	WEIGHT/GEWICHT/POIDS
101105-003	W92036	07/21/11	1297.000

HEAT NUMBER / SCHMELZE-NR. / Nº DE COULEE :

UNS NUMBER S17400

PRODUCT DESCRIPTION: TY SOLUTION ANNEALED COLD FINISH

-- PART NUMBER: IAC 14966

SPECIFICATION: CASTLE 3174-03 REV 23 (12/14/10)
AMS 2303 REV F (08//10)
AMS 5643 REV R (02//08) (UNS S1
ASTM-A564-10

(UNS S17400) (AISI 630)

ASME-SA564 2010 EDITION

SIZE IN. (19.05 MM) RD BAR

PRIMARY HEAT CHEMISTRY (WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)

CR (XRF) 15.30 SI(XRF) S (COM) 0.026 MN (XRF) P (XRF) C (COM)

N (FUS) MO(XRF) CU(XRF) CB (XRF) TA (XRF) NI (XRF) LT .01 3.60 0.26

CB+TA

0.27 THIS HEAT MELTED BY THE ELECTRIC ARC/AOD PROCESSES

THIS HEAT MELITED BY THE ELECTRIC ARC/ADD PROCESSES
NO WELD REPAIR.
MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM AND ALPHA SOURCE
CONTAMINATION.

EDDY CURRENT TEST PERFORMED

HOT REDUCTION RATIO = 36:1

MILL HEAT TREATMENT:

TYPE

ANNEAL 1900F TEMP (1037C)

(BATCH FURNACE) 1.50 HOURS TIME

QUENCH

DISCS MACROETCHED AND APPROVED

279 (MIDRADIUS) HARDNESS AS SHIPPED, HBW

MAGNETIC PARTICLE: FREQUENCY = 0 / SEVERITY = 0

.43% MICROSTRUCTURE - FERRITE

CERTIFICATE OF TESTS CERT SERIAL# 000784493

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE

A Carpenter Company

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THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.

MATERIAL IS MANUFACTURED FREE FROM MERCURY. RADIUM. ALPHA AND GAMMA SOURCE CONTAMINATION.

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Talley Metals Technology, Inc. 205 Talley Metals Lane McBee, SC. 29101 Tel: (610) 208-2000 (800) 338-4592

07/21/11 CUSTOMER / BESTELLER / CLIENT

2 OF 2 SELLER / VERKÄUFER / VENDEURPAGE

A.M. CASTLE & CO

3400 N WOLF RD FRANKLIN PARK

IL 60131

HVL

CUSTOMER ORDER NO./BESTELL-NR./Nº DE COMMANDE	CARPENTER NO./WERKS-NR./Nº DE	REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
101105-003	W9203	36	07/21/11	1297.000
HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE : CAPABILITY	G17894	UNS NUM	BER S17400	
000 E/ 400 G) 01 IID	ATD GOOT			

900 F(482 C), 01 HR AIR COOL

(T) RANSVERSE (L) ONGITUDINAL YIELD STRENGTH, (0.20 %) KSI (MPA) TENSILE STRENGTH, KSI (MPA) ELONGATION IN 1.40", % REDUCTION OF AREA, % 206.0(1420) 209.0(1441) 12.0 47.0 HARDNESS, HBW 413.0

(CONVERTED FROM TENSILE STRENGTH)

NO WELD REPAIR PERFORMED
MATERIAL PRODUCED ON THIS ORDER WAS MELTED AND MANUFACTURED IN THE U.S.A.
MATERIAL HAS BEEN MELTED IN USA OR QUALIFYING COUNTRY TO DFARS REQUIREMENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY 225.872.1,
SUPERSEDED BY DFARS REQUIREMENTS DFARS 252.225-7008 AND 252.225-7009.
WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE IN ACCORDANCE WITH THE
PURCHASE ORDER AND SPECIFICATION REQUIREMENTS. CERTIFICATE OF TEST IS
PREPARED IN ACCORDANCE WITH PARAGRAPH 3.1 OF EN 10204 (DIN50049)

STEPHANIE E. MCCULLUM QUALITY ASSURANCE ENGINEER CARPENTER TECHNOLOGY CORPORATION

phasis McCuleum

Castle Metals FP

HEAT NUMBER		
MECHANICAL ID_		
ITEM CODE	14966	
LOT NUMBER		
PO NUMBER	101105	
RECEIPT DATE	7/27/11	
SUPPLIER	Talley	
SPECIFICATION_		
LCS	NO	
COMMENT		
APPROVED	BJ	

CERTIFICATE OF TESTS CERT SERIAL# 000788394

A Carpenter Company

Talley Metals Technology, Inc. 205 Talley Metals Lane

McBee, SC. 29101 Tel: (610) 208-2000 (800) 338-4592

09/02/11

CUSTOMER / BESTELLER / CLIENT

A.M. CASTLE & CO

3400 N WOLF RD FRANKLIN PARK

IL 60131

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE

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> SELLER / VERKÄUFER / VENDEURPAGE 1 OF 2

TALLEY METALS TECH, INC.

ACCOUNTS PAYABLE P. O. BOX 2498 HARTSVILLE,

SC 29551

CUSTOMER ORDER NG./BESTELL-NR./N° DE COMMANDE	CARPENTER NO./WERKS-NR./N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
109403-002	W95858	09/02/11	1839.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE :

UNS NUMBER S17400

PRODUCT DESCRIPTION: TYPE SOLUTION ANNEALED COLD FINISH PART NUMBER: IAC 14963

SPECIFICATION:

CASTLE 3174-216 REV 2 (12/15/10)
AMS 2303 REV F (08/ /10)
AMS 5643 REV R (02/ /08) (UNS S17400) (AISI 630)
ASTM-A564-10

ASME-SA564 2010 EDITION

SIZE

TIME

IN. (15.88 MM) RD BAR

PRIMARY HEAT CHEMISTRY(WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)

0.03 (COM) MN(XRF)

SI(XRF)

P (XRF)

CR(XRF) 15.20

MO(XRF)

CU(XRF)

N (FUS)

CB(XRF)

TA(XRF)

CB+TA

THIS HEAT MELTED BY THE ELECTRIC ARC/AOD PROCESSES

NO WELD REPAIR.
MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM AND ALPHA SOURCE CONTAMINATION.

EDDY CURRENT TEST PERFORMED

HOT REDUCTION RATIO = 52:1 MILL HEAT TREATMENT:

TYPE TEMP

SOL ANL

1900F (103 1.50 HOURS 1037C)

(BATCH FURNACE) 1.5 QUENCH WATER

DISCS MACROETCHED AND APPROVED

HARDNESS AS SHIPPED, HBW

(MIDRADIUS)

MAGNETIC PARTICLE:

FREQUENCY = 0 / SEVERITY = 0

MICROSTRUCTURE - FERRITE

.75%

304

CONTINUED ON NEXT PAGE

This certification is made to the customer printed on this form. Carpenter neither makes, nor assumes responsibility for, any representation or certification to other parties.

Die vorliegende Zertifizierung ist nur für den in diesem Formular genancten Kunden giltig. Carpenter übernirumt gegenüber Dritten keinerlei Haftung für die ausgewiesenen Daten oder Zertifizierungen.

Ce certificat est uniquement valable pour le client doot le nom est ziprimé sur ce formulaire. Carpenter n'assume pas de responsabilité pour une certification vis-à-vis d'une tierce personne.

CERTIFICATE OF TESTS **CERT SERIAL# 000788394**

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE



Talley Metals Technology, Inc.

IALLEY METALS A Carpenter Company

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O THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE
ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY
REFERENCE TO THE CARPENTER ORDER NUMBER.

MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM, ALPHA AND GAMMA SOURCE CONTAMINATION. THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL,
 OF CARPENTER TECHNOLOGY CORPORATION. WITHOUT THE WRITTEN CONSENT

205 Talley Metals Lane
McBee, SC. 29101 Tel: (610) 208-2000 (800) 338-4592

09/02/11 CUSTOMER / BESTELLER / CLIENT

SELLER / VERKÄUFER / VENDEURPAGE

2 2 OF

A.M. CASTLE & CO

TALLEY METALS TECH, INC.

3400 N WOLF RD FRANKLIN PARK IL 60131 ACCOUNTS PAYABLE P. O. BOX 2498 HARTSVILLE ,SC 29551

CUSTOMER ORDER NO./BESTELL-NR./Nº DE COMMANDE CARPENTER NO./WERKS-NR./Nº DE REFERENCE INTERNE DATE/DATUM/DATE WEIGHT/GEWICHT/POIDS 109403-002 W95858 09/02/11 1839.000 HEAT NUMBER / SCHMELZE-NR. / Nº DE COULEE ; G18148 UNS NUMBER S CAPABILITY 900 F(482 C), 01 HR AIR COOL

(T)RANSVERSE (L)ONGITUDINAL YIELD STRENGTH, (0.20 %) KSI(MPA) TENSILE STRENGTH, KSI(MPA) ELONGATION IN 1.40", % REDUCTION OF AREA, % HARDNESS HRW -213.0 215.0 13.0 48.0 $4\bar{2}\bar{3}.0$ HARDNESS , HBW

(CONVERTED FROM TENSILE STRENGTH)

NO WELD REPAIR PERFORMED
MATERIAL PRODUCED ON THIS ORDER WAS MELTED AND MANUFACTURED IN THE U.S.A.
MATERIAL HAS BEEN MELTED IN USA OR QUALIFYING COUNTRY TO DEARS REQUIRE—
MENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY 225.872.1,
SUPERSEDED BY DEARS REQUIREMENTS DEARS 252.225-7008 AND 252.225-7009.
THIS ORDER WAS MANUFACTURED IN ACCORDANCE WITH CARPENTER SPECIALTY ALLOYS
OPERATIONS QUALITY PROGRAM MANUAL, REVISION 29 DATED 09/01/10.

WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE IN ACCORDANCE WITH THE PURCHASE ORDER AND SPECIFICATION REQUIREMENTS. CERTIFICATE OF TEST IS PREPARED IN ACCORDANCE WITH PARAGRAPH 3.1 OF EN 10204(DIN50049)

Cast <u>le Me</u> tals FP				
HEAT NUMBER_				
MECHANICAL ID		-		
ITEM CODE	14963	-		
LOT NUMBER		-		
PO NUMBER	109403-002	-		
RECEIPT DATE_	9/6/11	-		
SUPPLIER	Talley	•		
SPECIFICATION_		-		
LCS	NO	•		
COMMENT		•		
APPROVED.	72 (

STEPHANIE E. MCCULLUM QUALITY ASSURANCE ENGINEER CARPENTER TECHNOLOGY CORPORATION

Expraise McCullium

This certification is made to the oustomer printed on this form. Carpenter neither makes, nor assumes responsibility for, any representation or certification to other parties.

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Ce certificat est uniquement valable pour le client dont le nom est inprimé sur ce formulaire. Carpenter n'assume pas de responsabilité pour une certification vis-à-vis d'une tierce personne. wiesenen Daten oder Zertifizierungen.